Monitoring Data Record

Project Title:	Cashiers (R-2224A)	CO	E Action ID:	200230408
Stream Name	: unnamed tributary	to the Thorpe Reserv	voir DWQ Num	ber: 000536
	and other Location Inf			
	ction Completed: Dece			
Ecoregion:	-		C unit	
USGS Quad I	Name and Coordinates			
Rosge	en Classification:			
Length of Pro	oject: <u>948'</u> Urba	n or Rural: <u>Urban</u>	Watershed	Size:
Monitoring D	ATA collected by: M.	Green and J. Young	Date	e: <u>3/5/09</u>
Applicant Info	ormation:			
Name	: NCDOT Roadside En	nvironmental Unit		
Addre	ess: 1425 Rock Quarry	Rd. Raleigh, NC 270	610	
Telepl	hone Number: (919)	861-3772 Ei	mail address: mlg	green@ncdot.gov
Consultant I	nformation:			
Name	:			
Addre				
Telepl	hone Number:			
-	ct Status: Complete			
each year survival, a during the document that the r	for the 5 year monitor and visual inspection of e first 5 years, NCDOT ed. The bankfull even equired bankfull even	oring period (summer of channel stability. I shall continue mon ts must occur during ts do not occur duri	er and winter): If less than two nitoring until the g separate monitoring the 5 year	Level I monitoring twice Reference photos, plant wo bankfull events occur second bankfull event is oring years. In the event monitoring period, the further monitoring is not
(Monitoring at	TO REFERENCE SITES t all levels must complete the		. 4 votovonoo no	sints 2 photos of each
1 otal numbe	r of reference photo i	ocations at this site	: 4 reference po	oints, 2 photos at each
	nce photos have been 97, 9/11/07, 2/12/08, 8/		5/20/04, 1/05	5/05, 5/31/05, 10/18/06,
Individual fr	om whom additional	photos can be obta	ined (name, add	dress, phone):
			·	
Other Informathis report.	ation relative to site ph	oto reference: A sit	e map with photo p	oint locations is attached to
	d to complete Level 3	monitoring only stor	here: otherwise	complete section 2

_	<u>LANT SURVIVAL</u> sheet indicating reference photos.			
Identify sp	ecific problem areas (missing,	stressed, damaged o	r dead plantings):	
Estimated of	causes, and proposed/required	remedial action:		
oak, alder, sc pine, chestnu various grass	NAL COMMENTS: Vegetation arlet oak, white oak, birch, black wit oak, sycamore, green ash, red mates. The supplemental plantings a atly improve the vegetation coverage.	llow, dogwood, rhodode aple, woolgrass, lespede and transplants that the	ndron, tulip poplar, no za, <i>Juncus</i> sp., jewelw division forces have p	rthern red oak, where deed, goldenrod, and all the state of the state
	ation established. NCDOT plans to			

If required to complete Level 1 and Level 2 monitoring <u>only</u> stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. <u>Physical measurements of channel stability/morphology will not be required.</u> Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

\mathcal{E}	
The stream relocation is stabilized for the Year	r 5 Winter evaluation. One bankfull event has been visually noted a
this stream relocation during the 2005 evaluation	ation. NCDOT will continue to monitor this stream relocation for
channel stability this summer.	

Date	Station	Station	Station	Station	Station
Inspected	Number	Number	Number	Number	Number
Structure					
Type					
Is water					
piping					
through or					
around					
structure?					
Head cut or					
down cut					
present?					
Bank or scour					
erosion					
present?					
Other					
problems					
noted?					

NOTE: Attach separate narrative sheets to each monitoring report describing/discussing the overall monitoring results. Include the identification of specific problem areas/channel failures, estimated cause and proposed/required remedial action. This should include a brief discussion of any parameter that has changed significantly from as-built.

Cashiers Stream



Photo 1 (Upstream)



Photo 2 (Downstream)



Photo 3 (Upstream)



Photo 4 (Downstream)



Photo 5 (Upstream) Year 5 – March 2009



Photo 6 (Downstream)

Cashiers Stream



Photo 7 (Upstream)



Photo 8 (Downstream)

Year 5 Winter – March 2009



